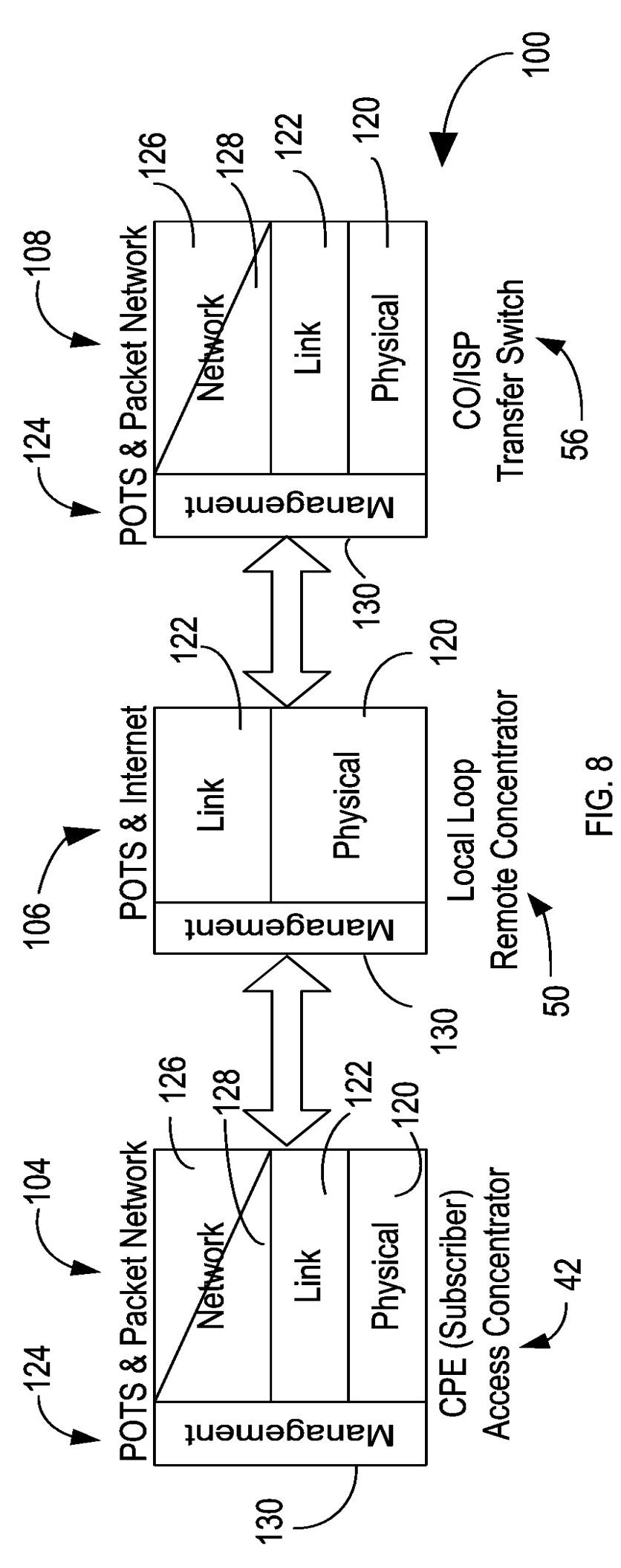
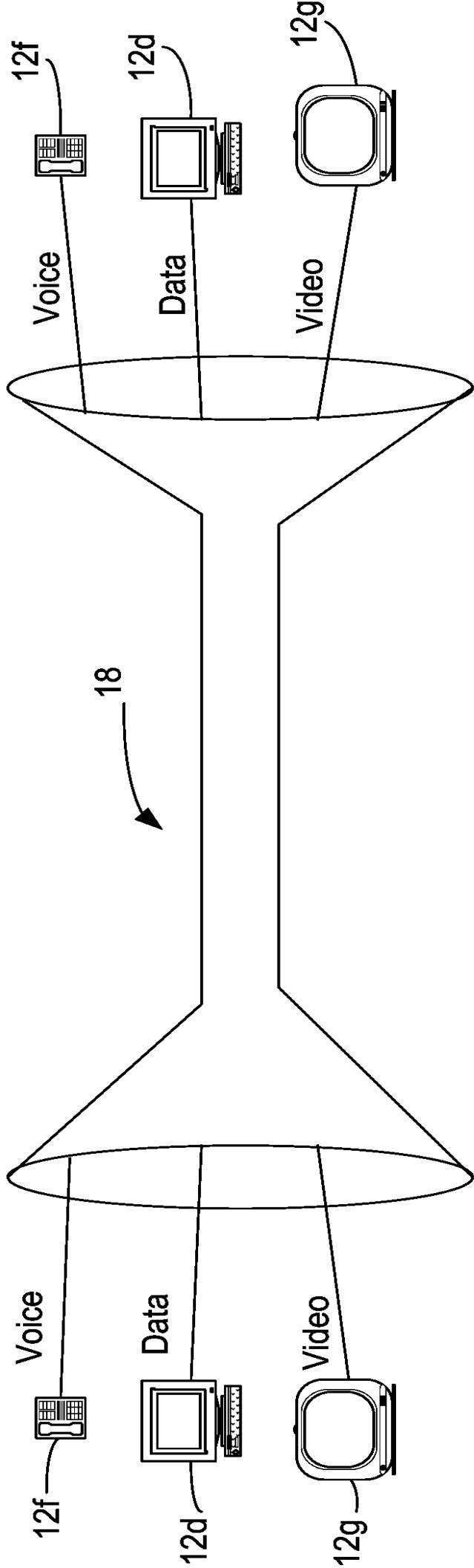
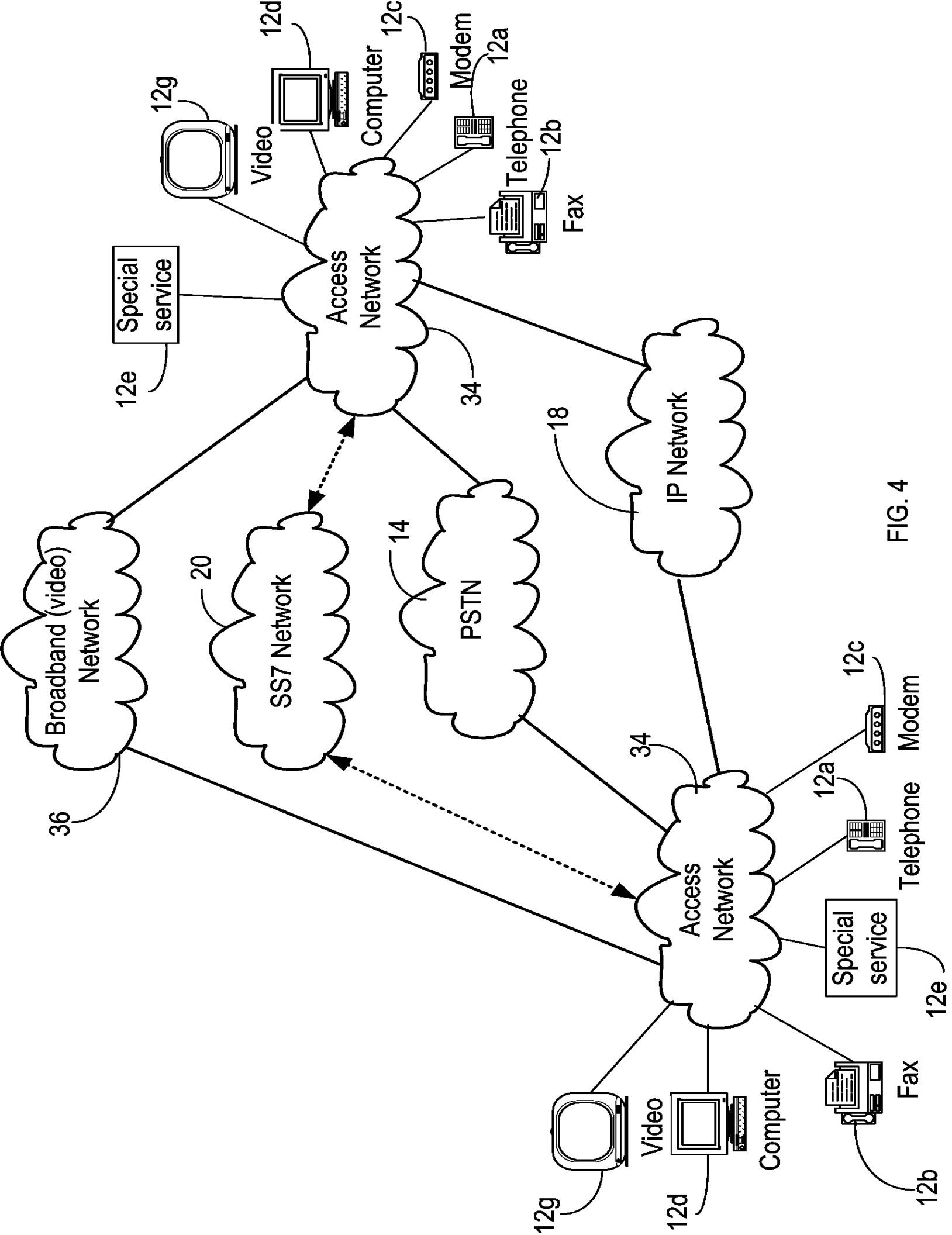


FIG. 2 Background Art





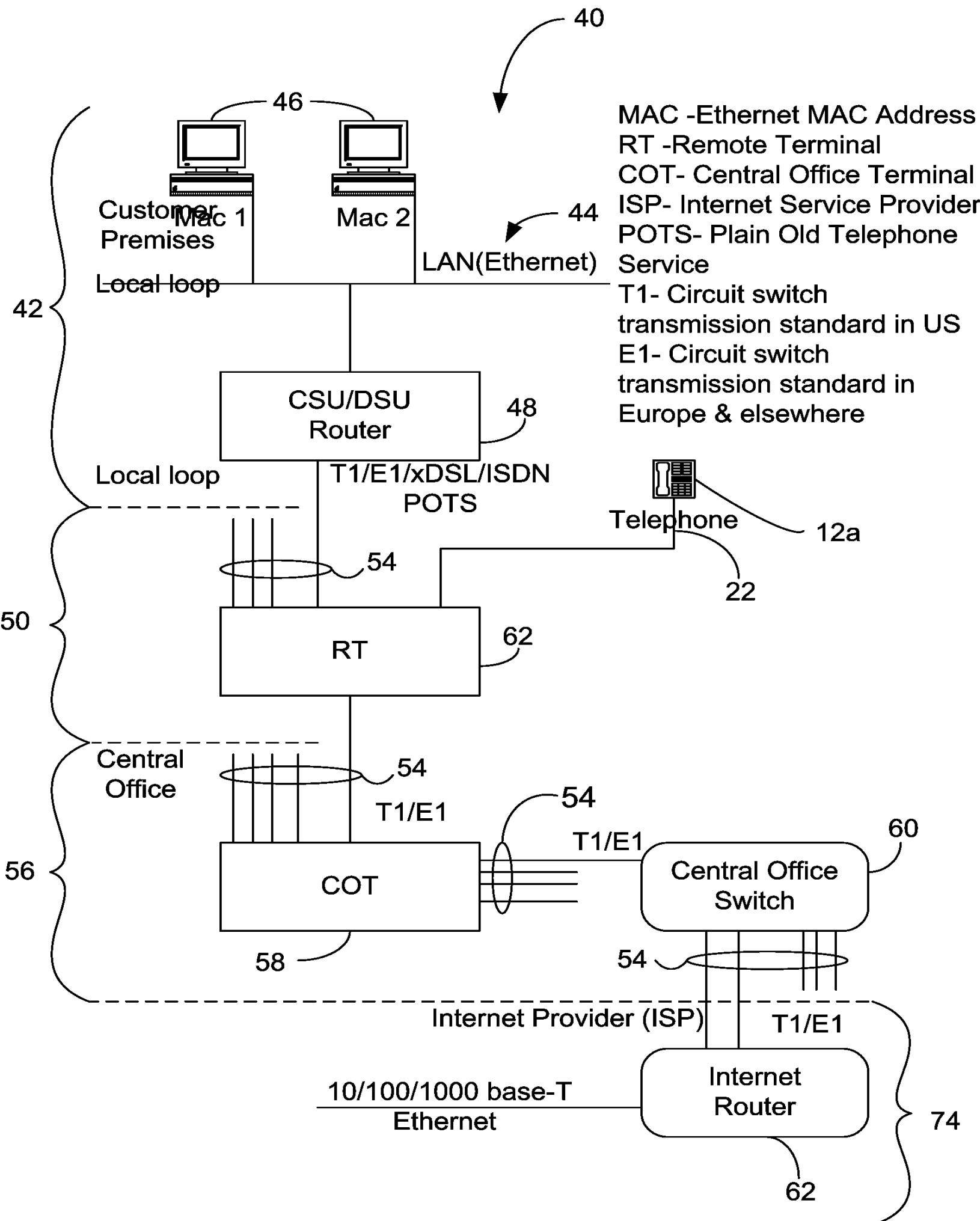


FIG. 5 Background Art

FIG. 6a Prior Art

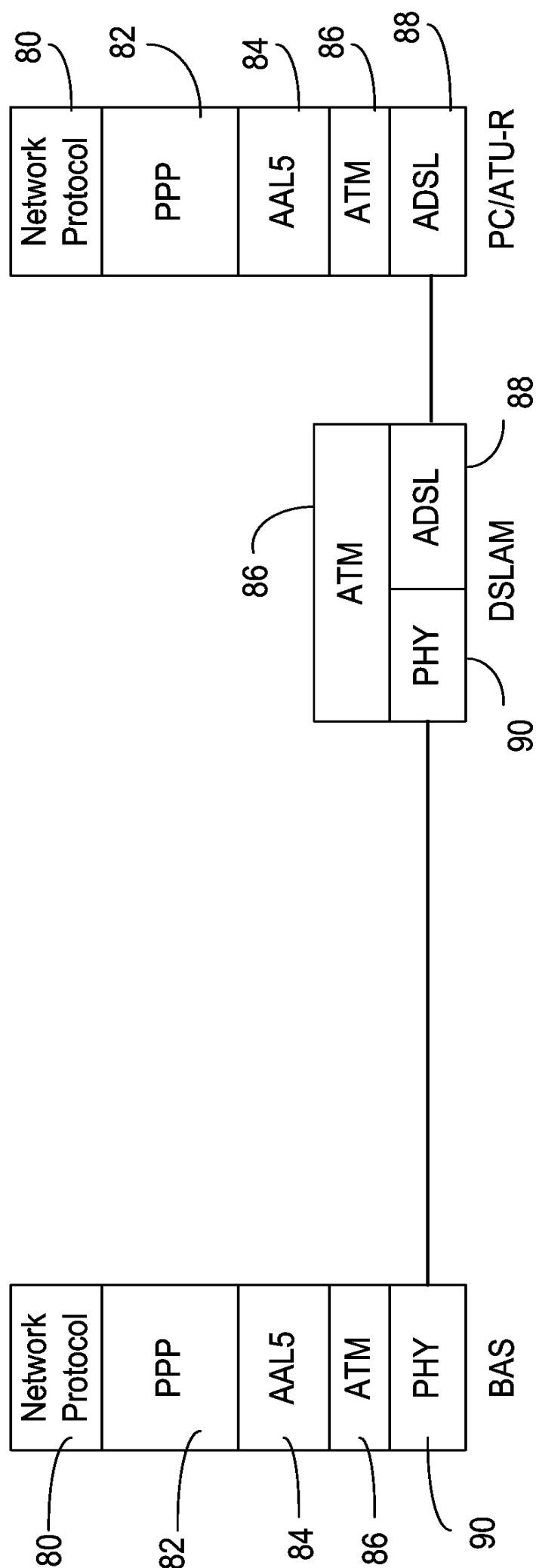
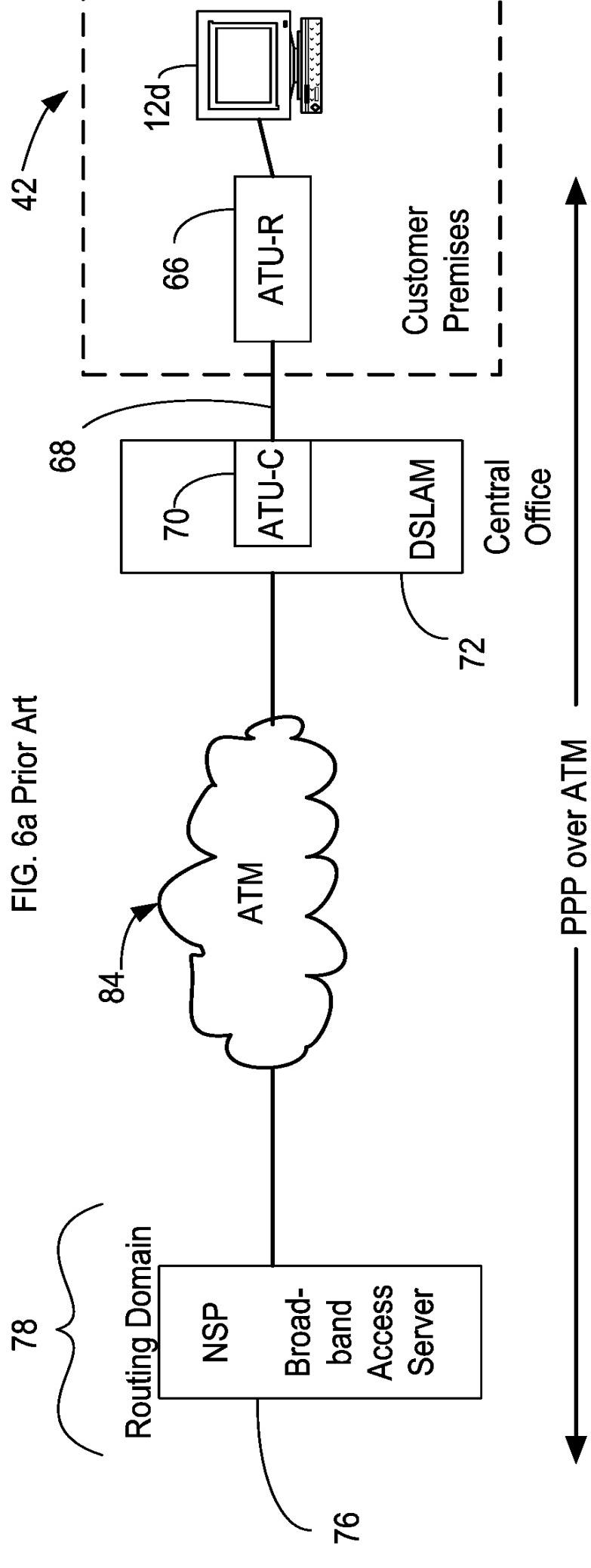


FIG. 6b Prior Art

Local LAN

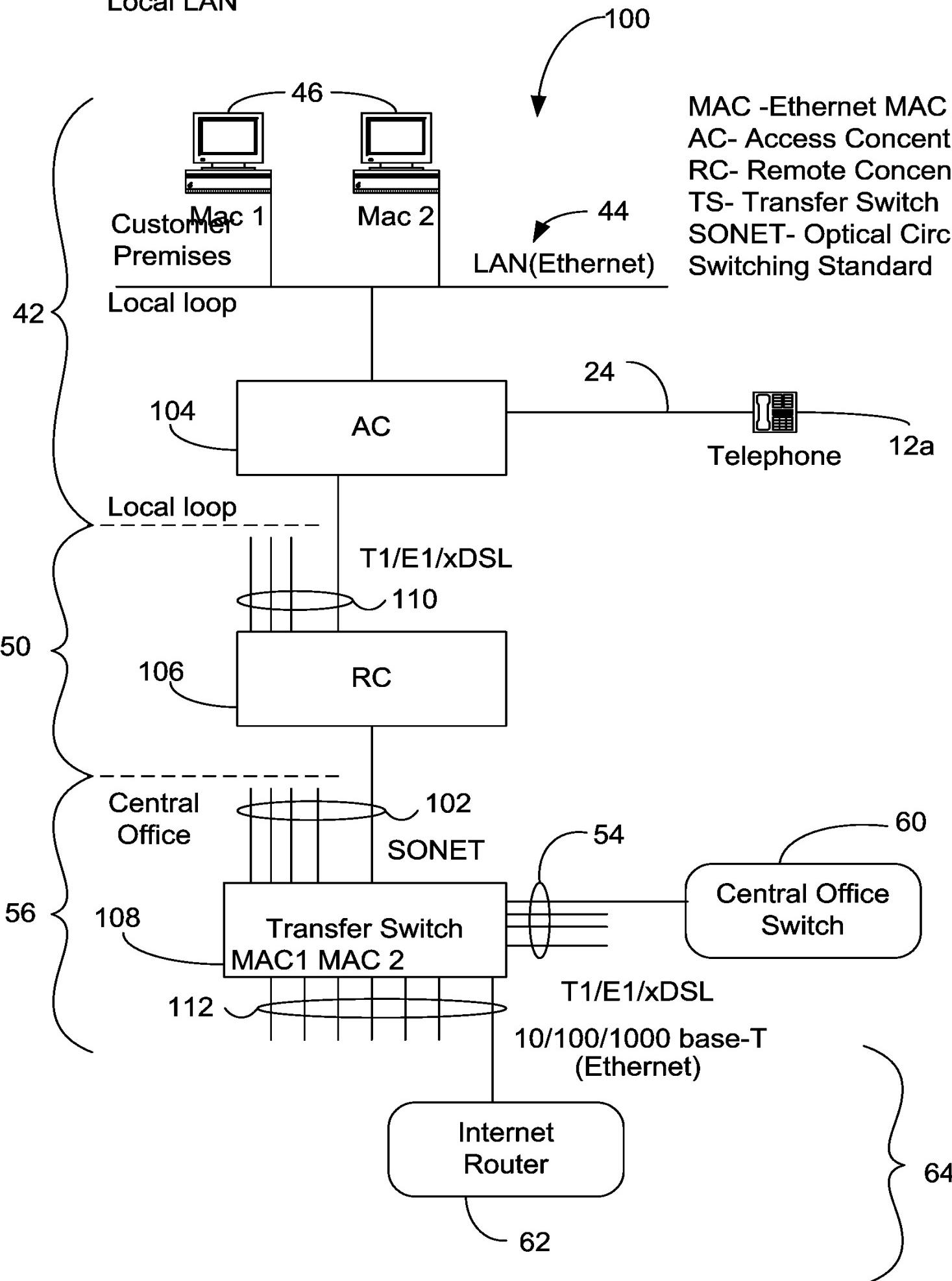


FIG. 7

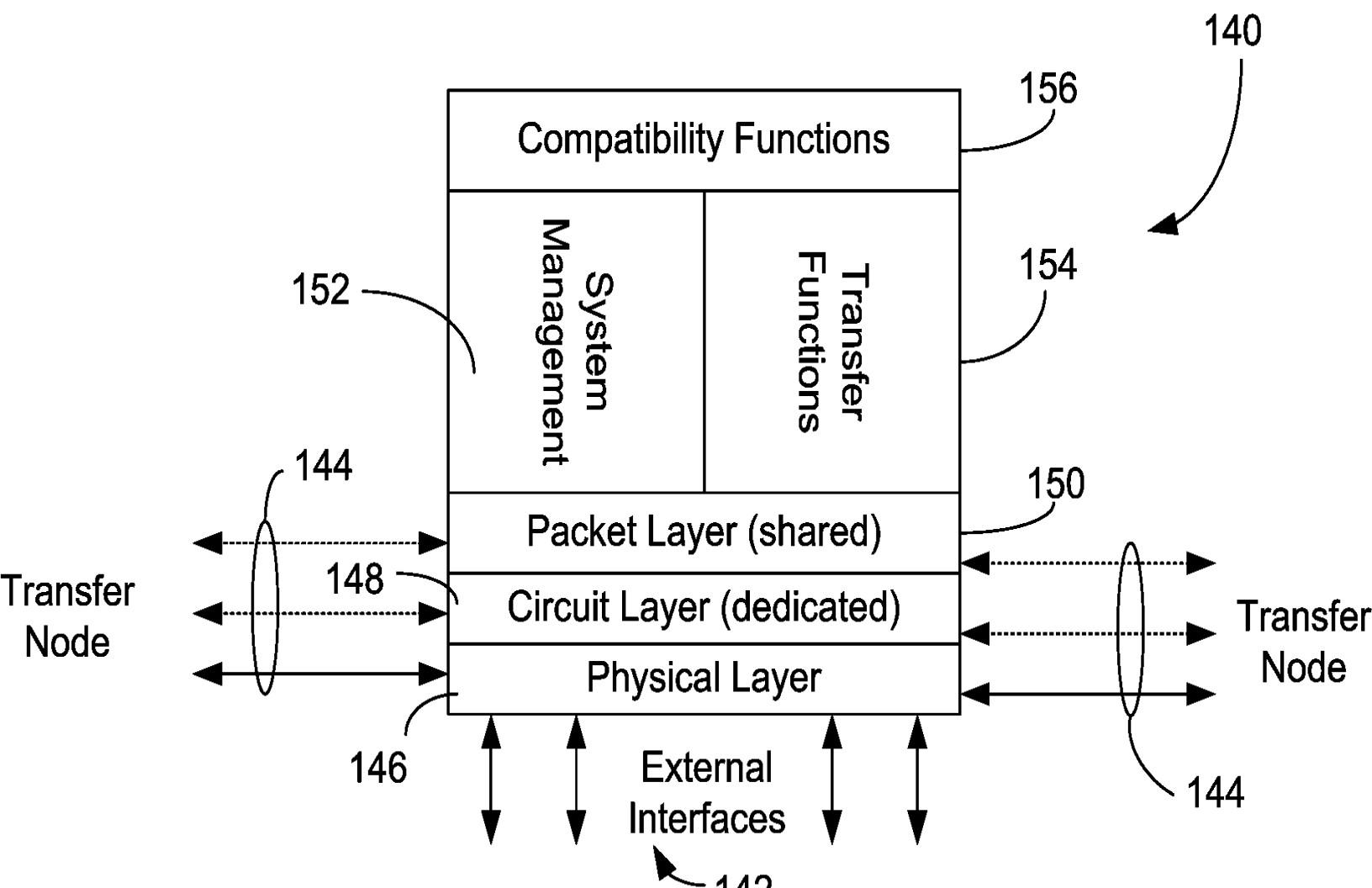


FIG. 9

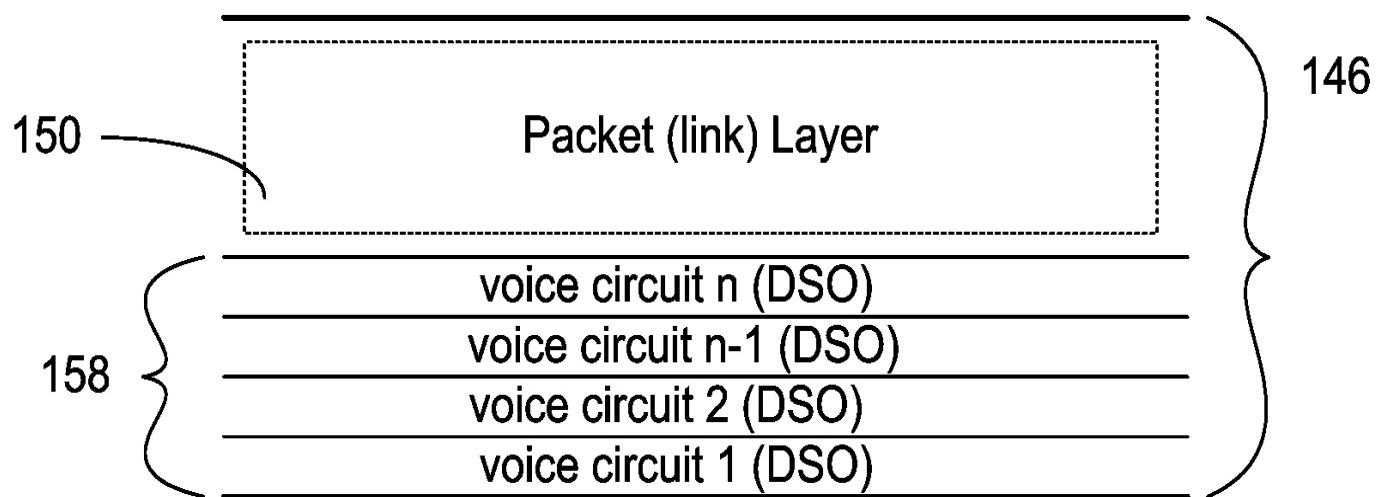


FIG. 10

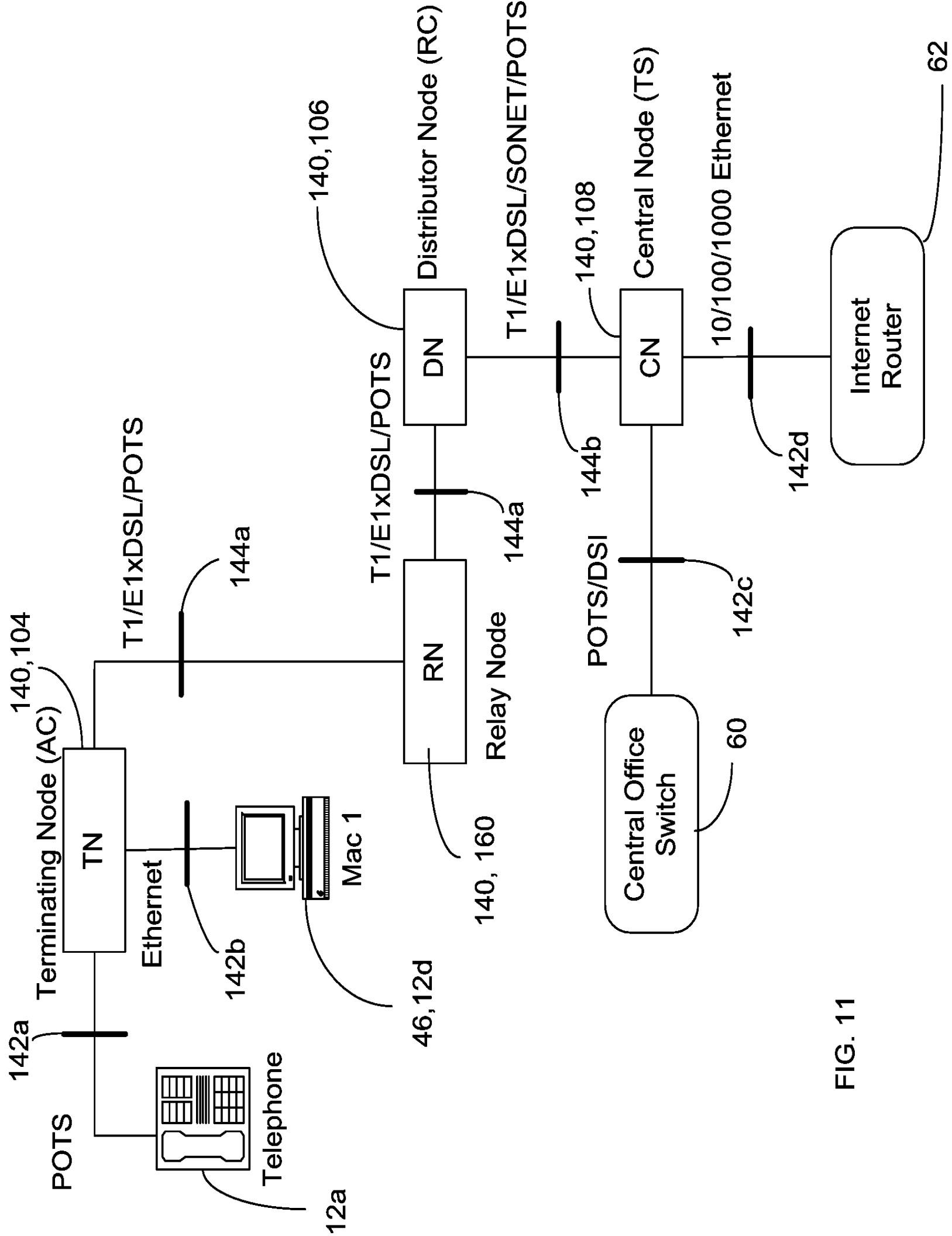


FIG. 11

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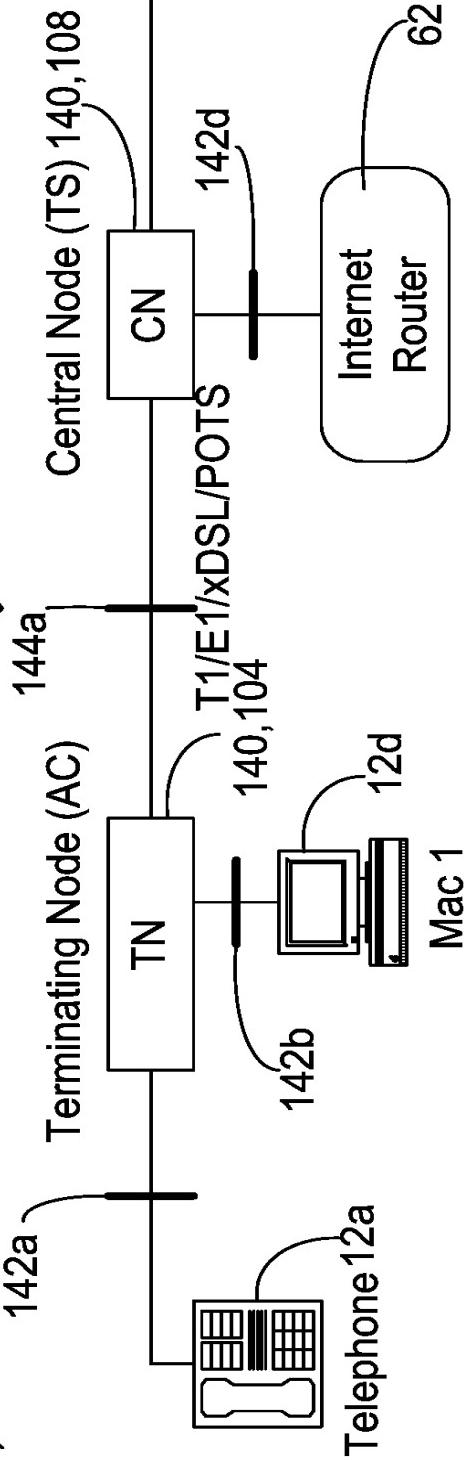


FIG. 12a

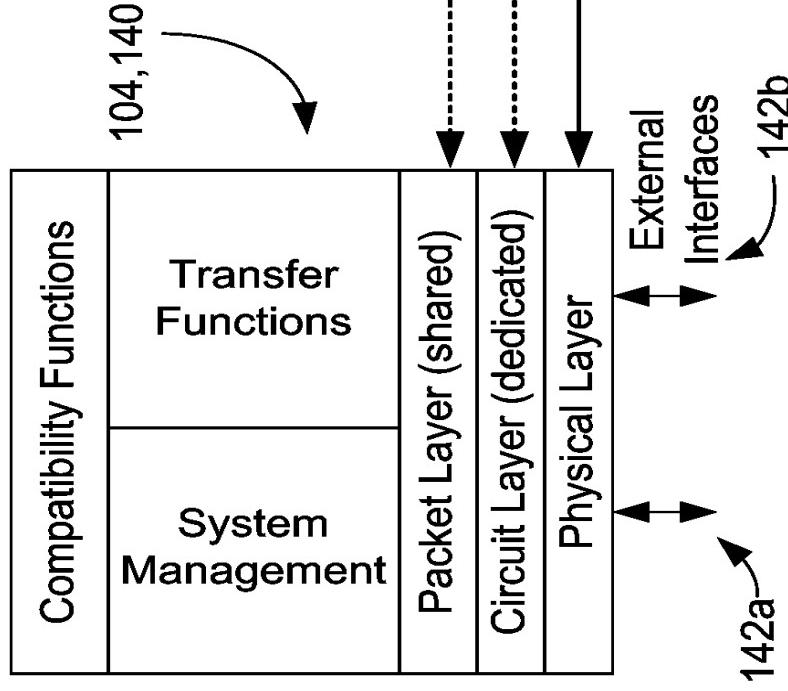
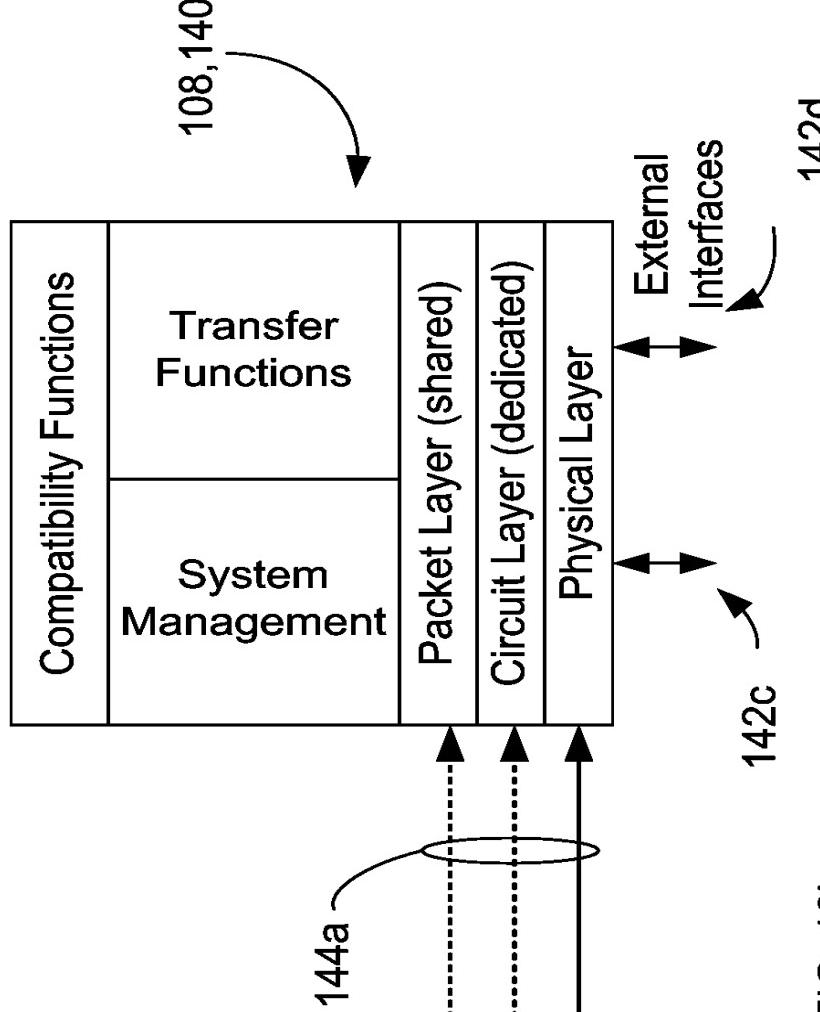
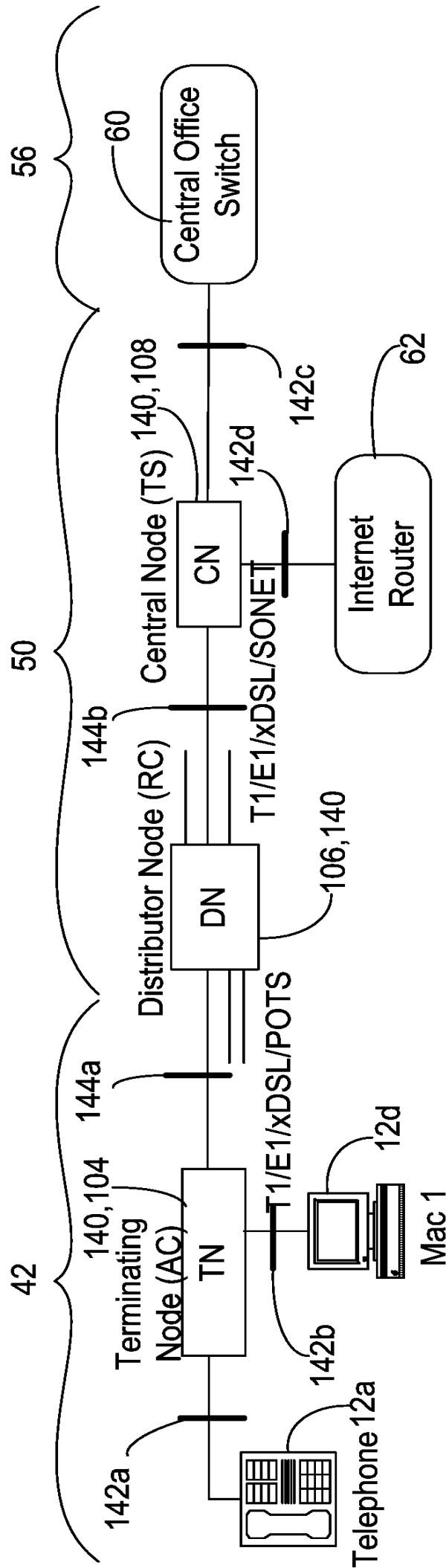
Terminating Transfer Node**Central Transfer Node**

FIG. 12b



Terminating Transfer Node

FIG 13a

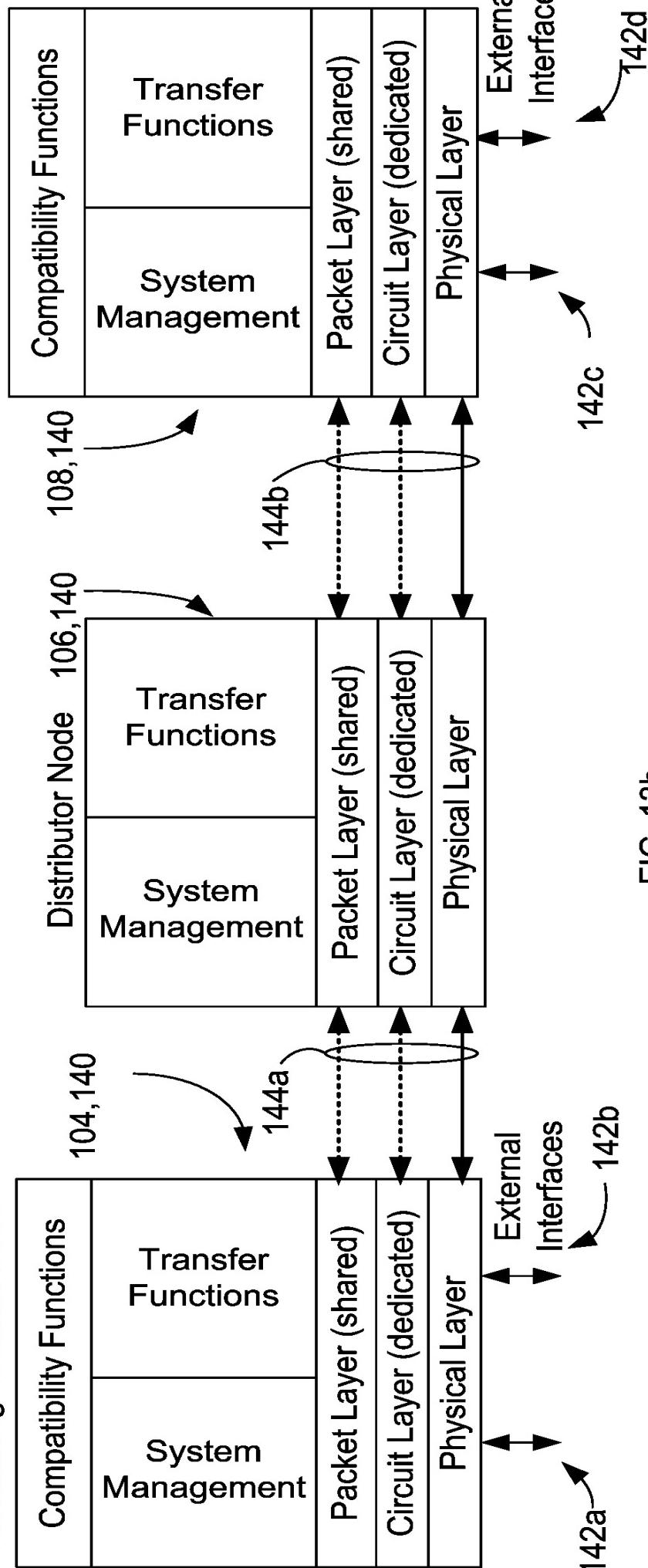


FIG. 13b

42

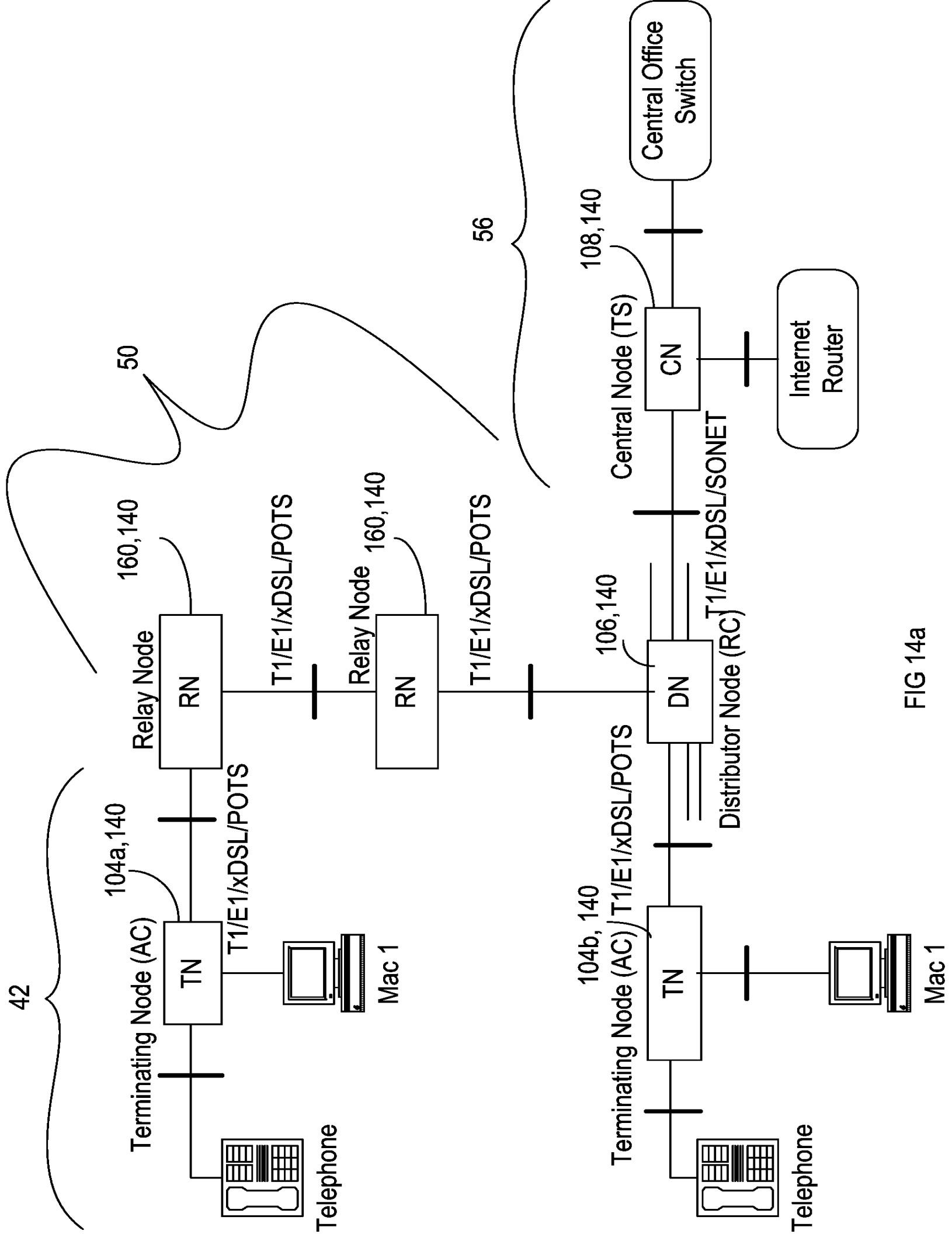


FIG 14a

Mac 1

Terminating Transfer Node (AC)

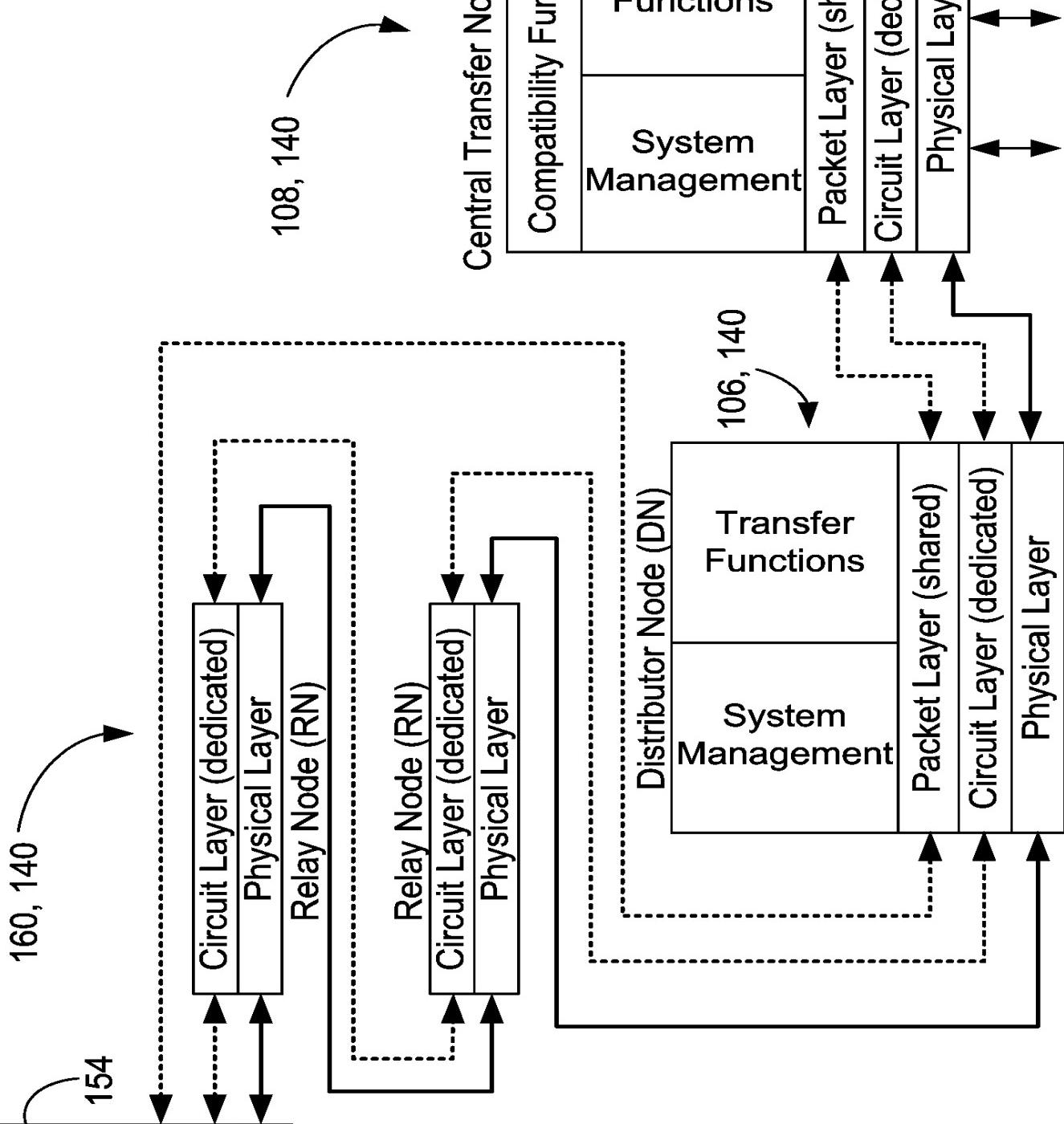
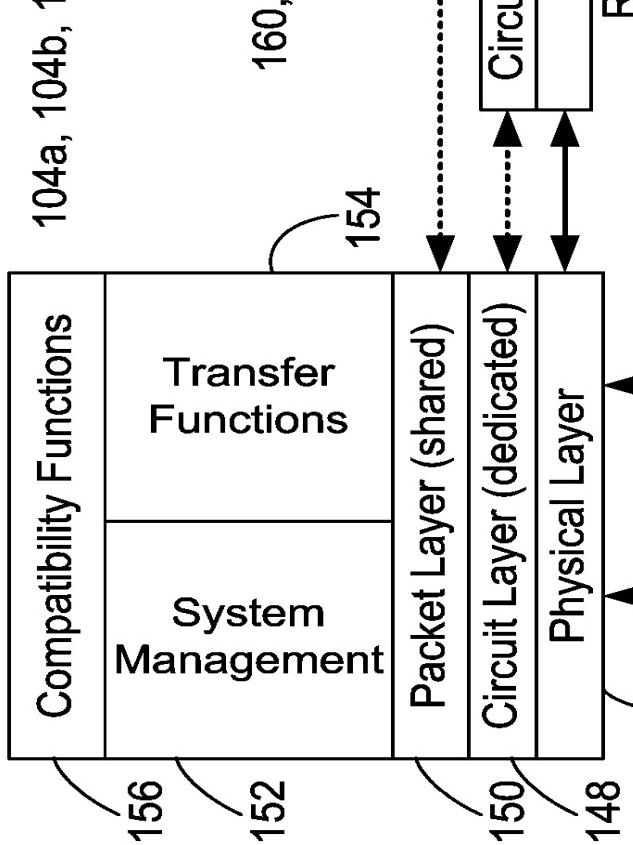


FIG. 14b

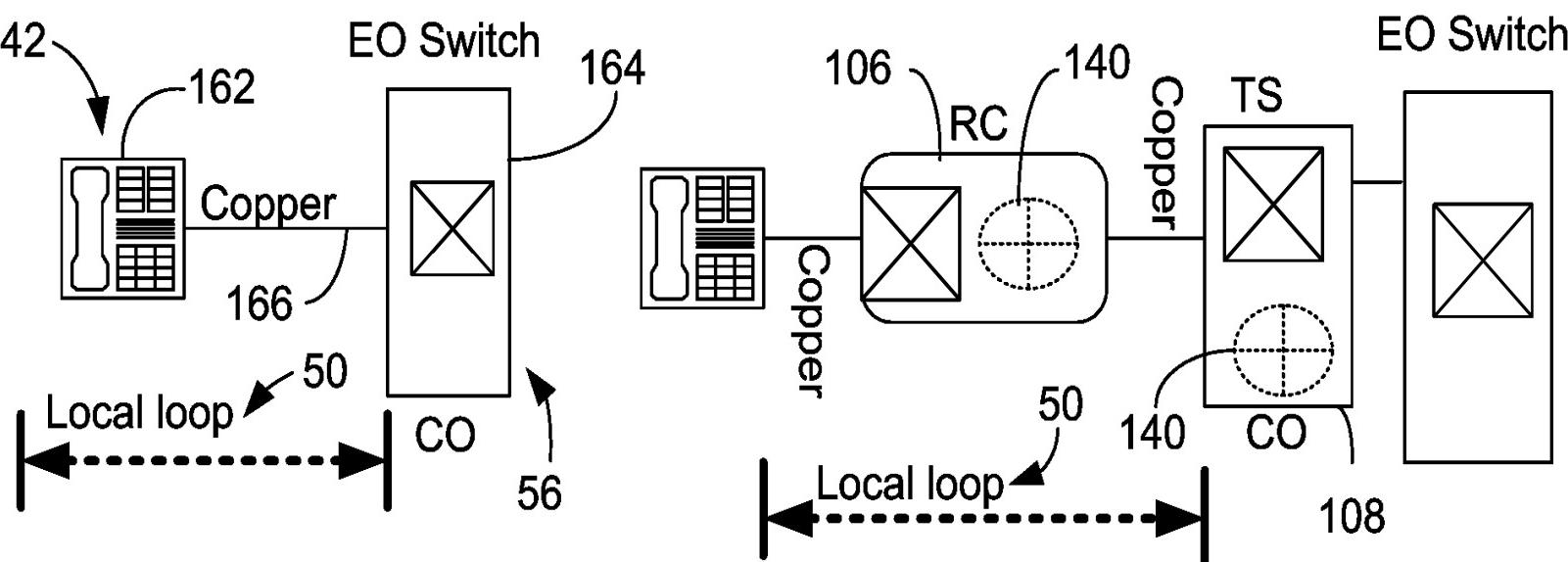


FIG. 15a

FIG. 15b

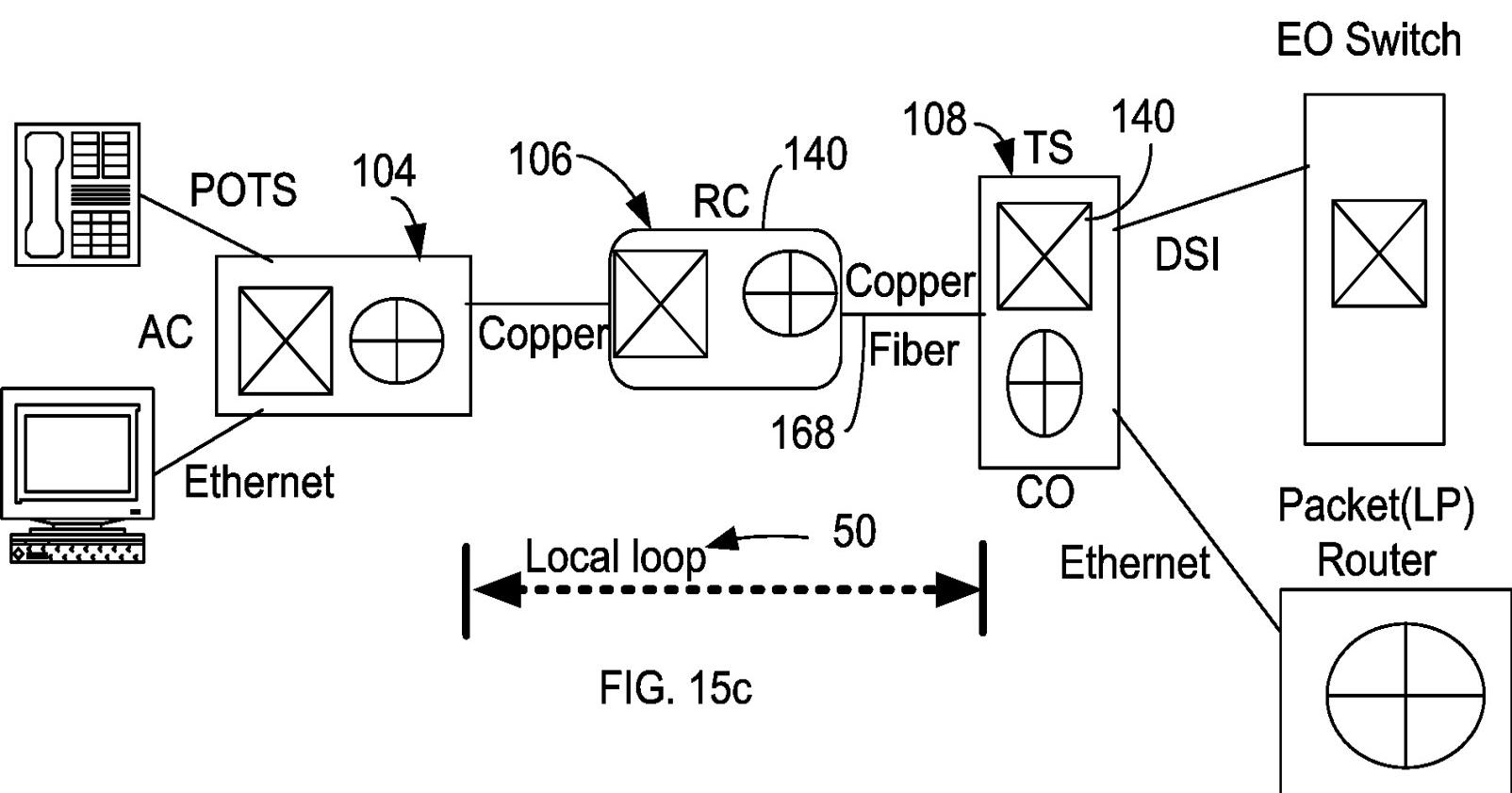
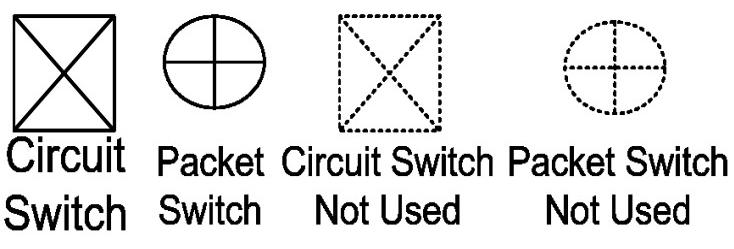
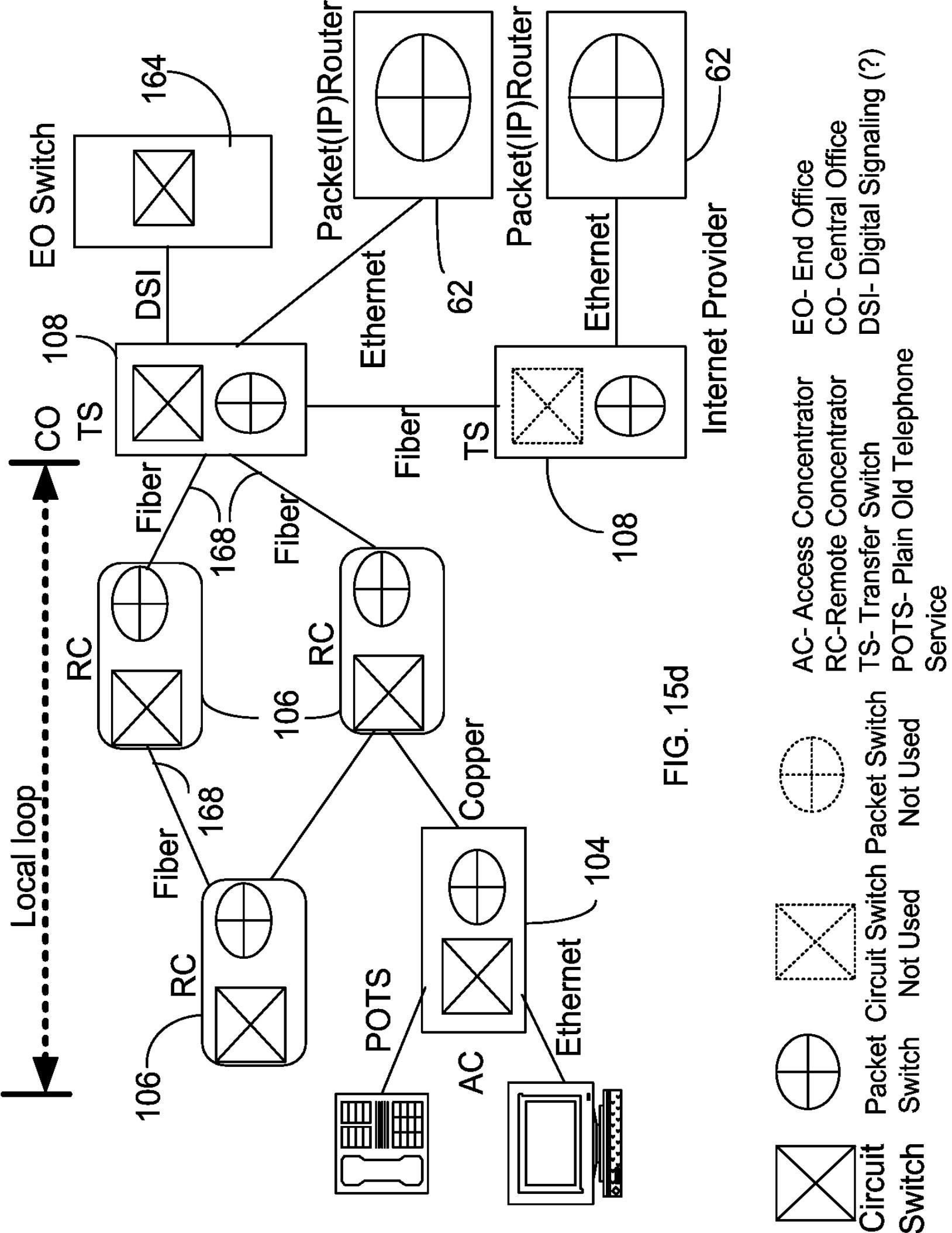


FIG. 15c



AC- Access Concentrator
RC-Remote Concentrator
TS- Transfer Switch
POTS- Plain Old Telephone Service

EO- End Office
CO- Central Office
DSI- Digital Signaling (?)



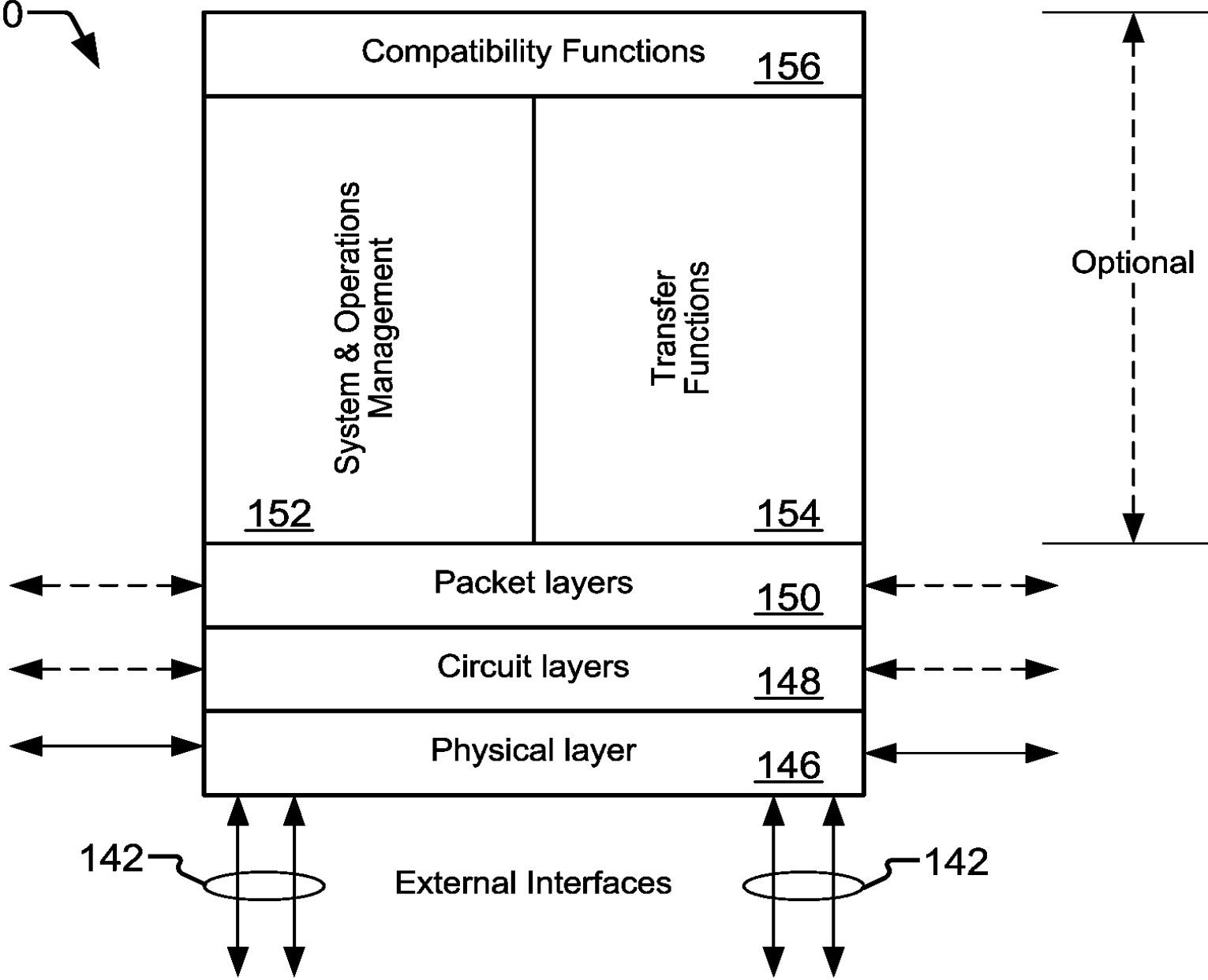


FIG. 16a

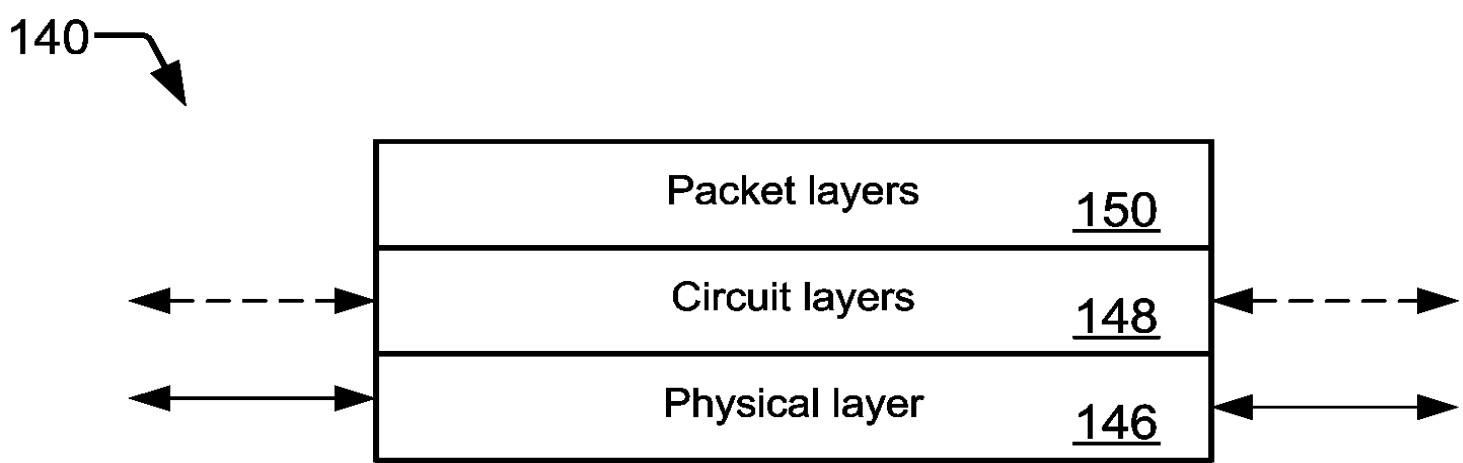


FIG. 16b

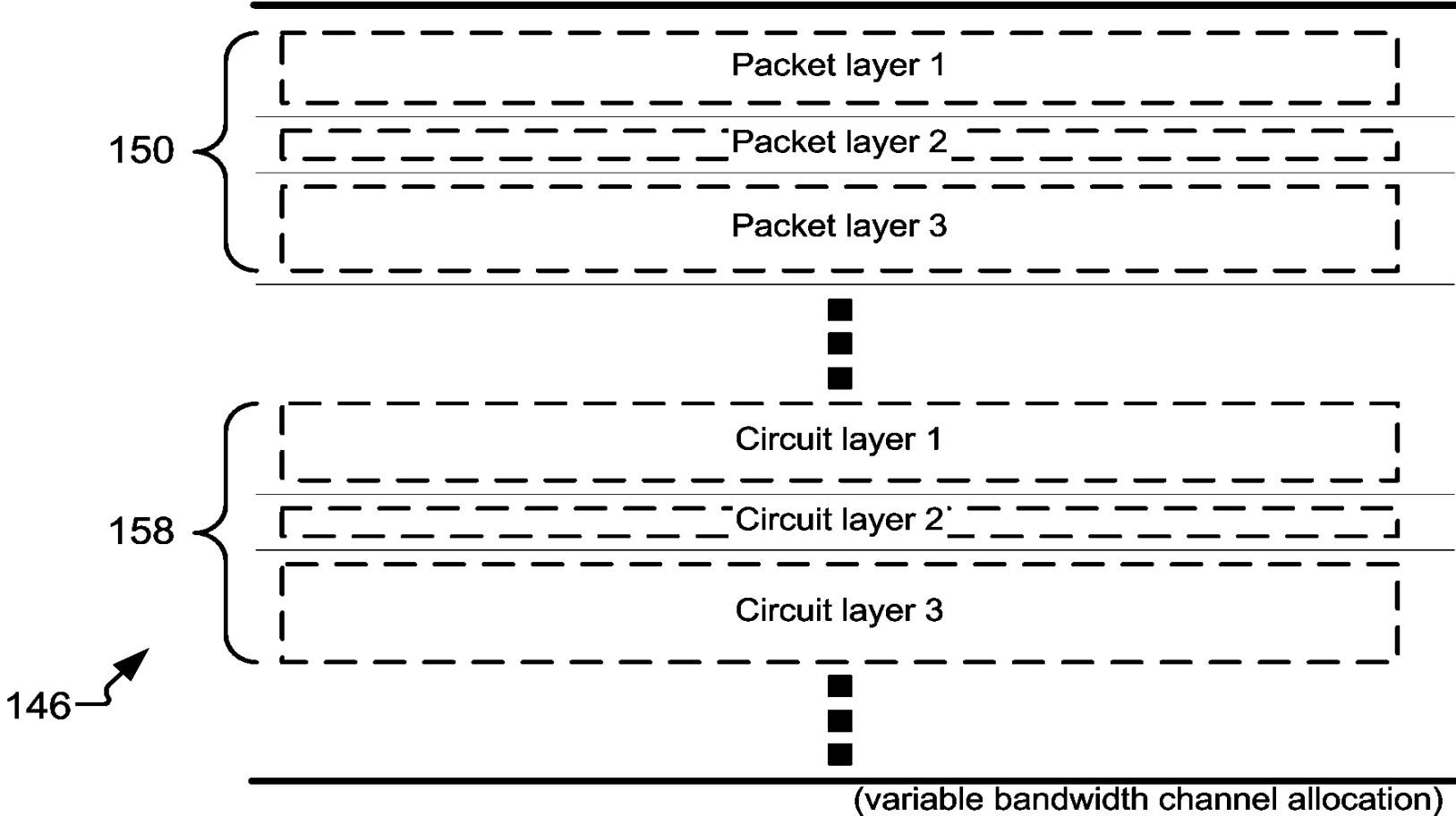


FIG. 17

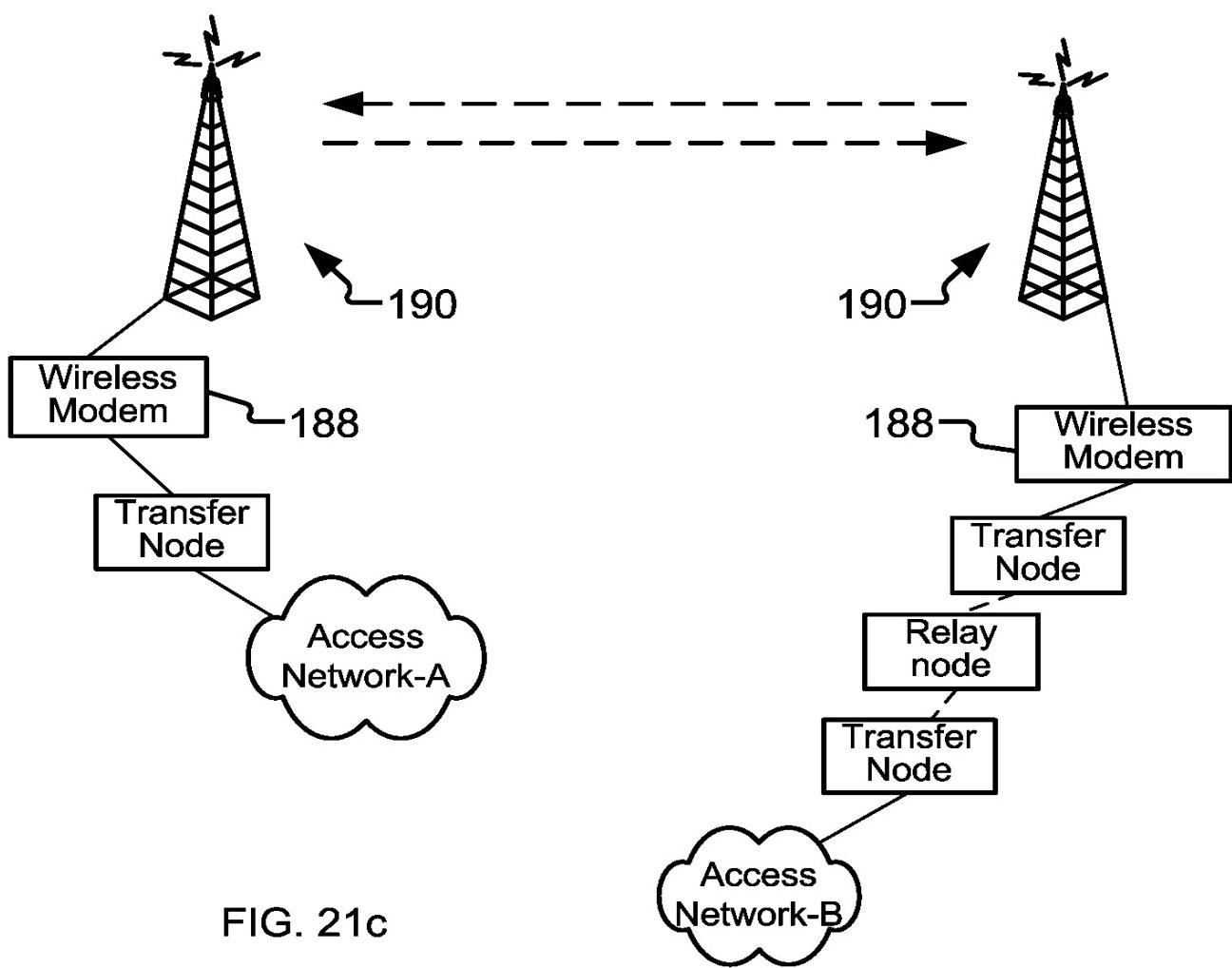


FIG. 21c

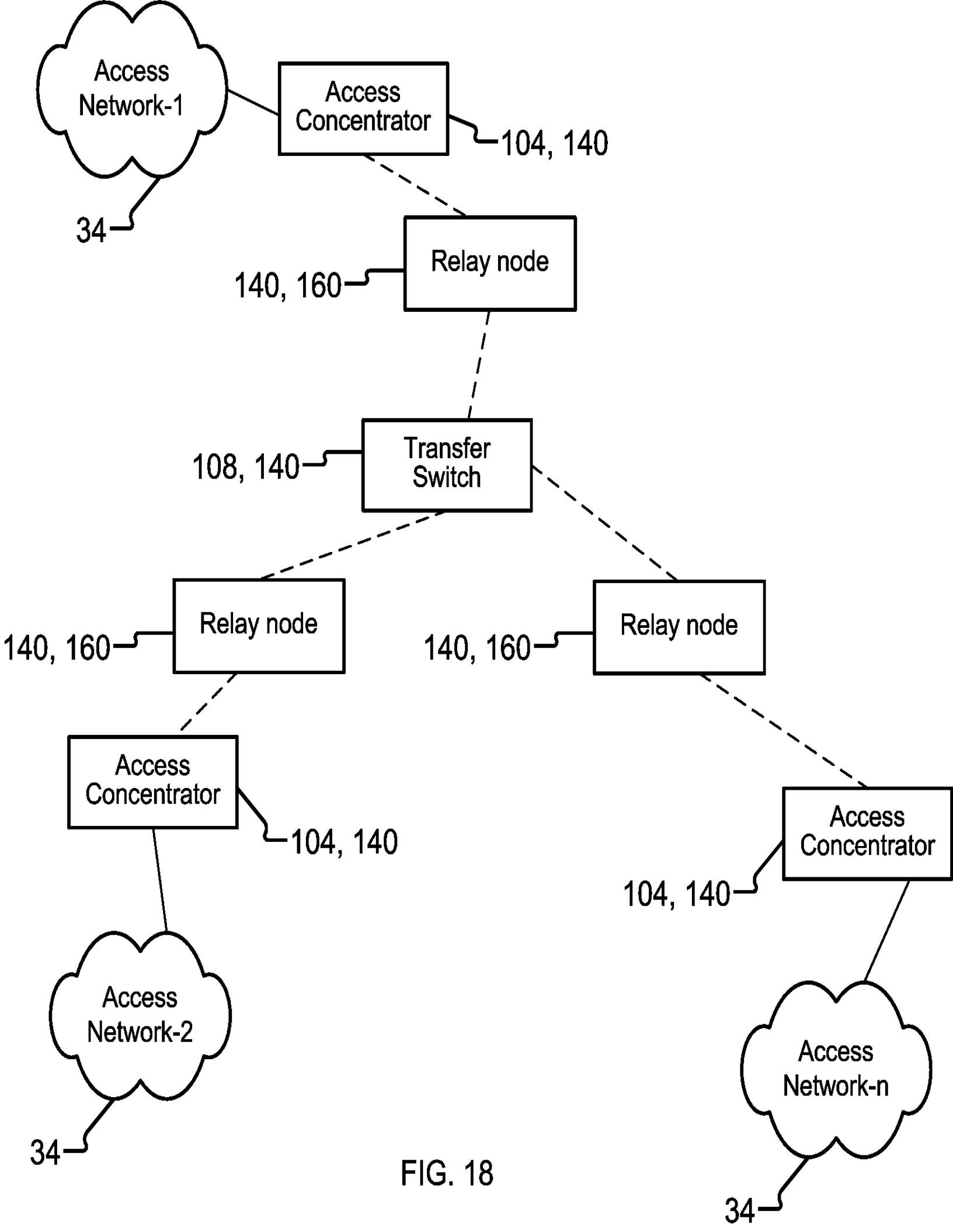
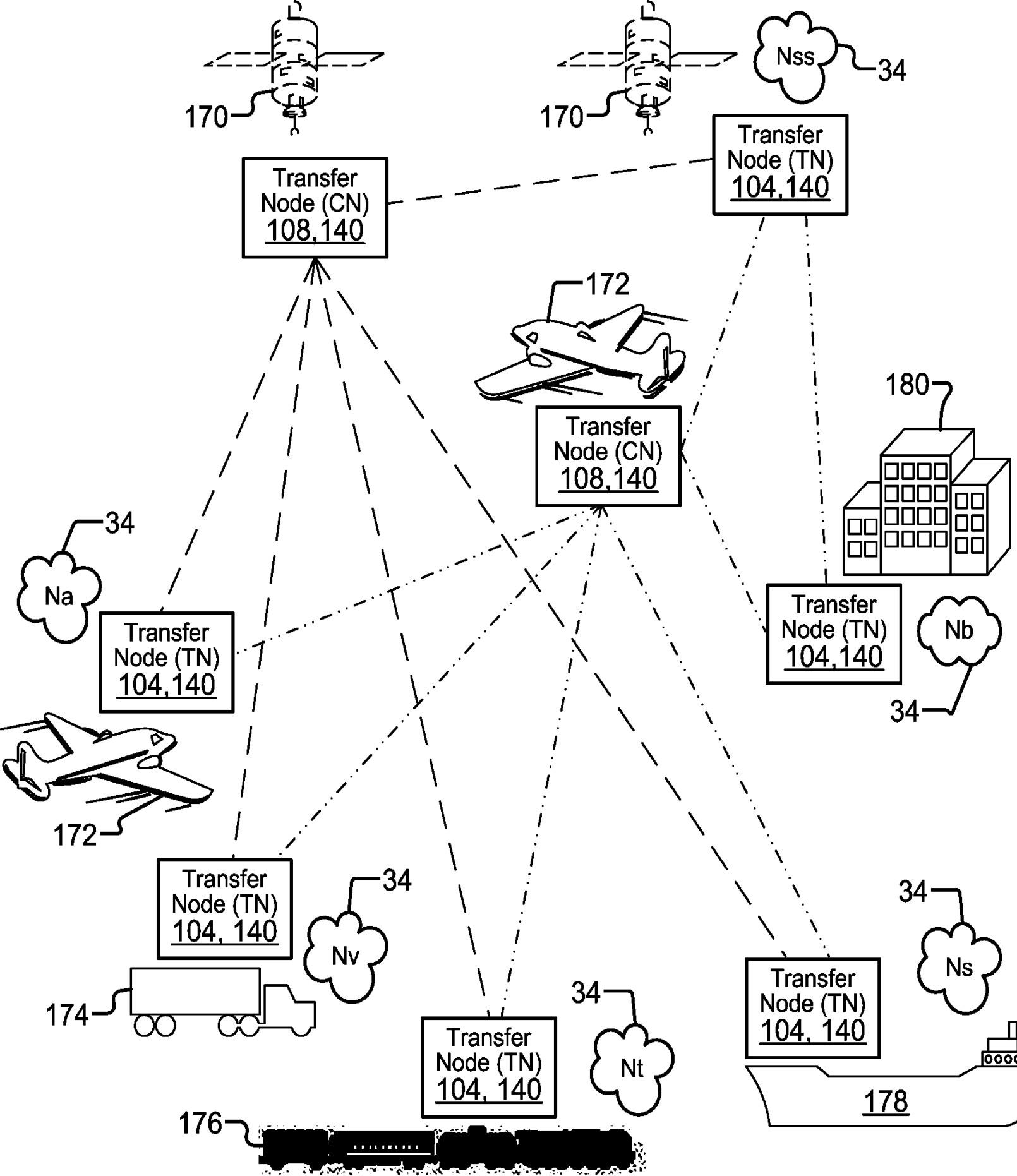
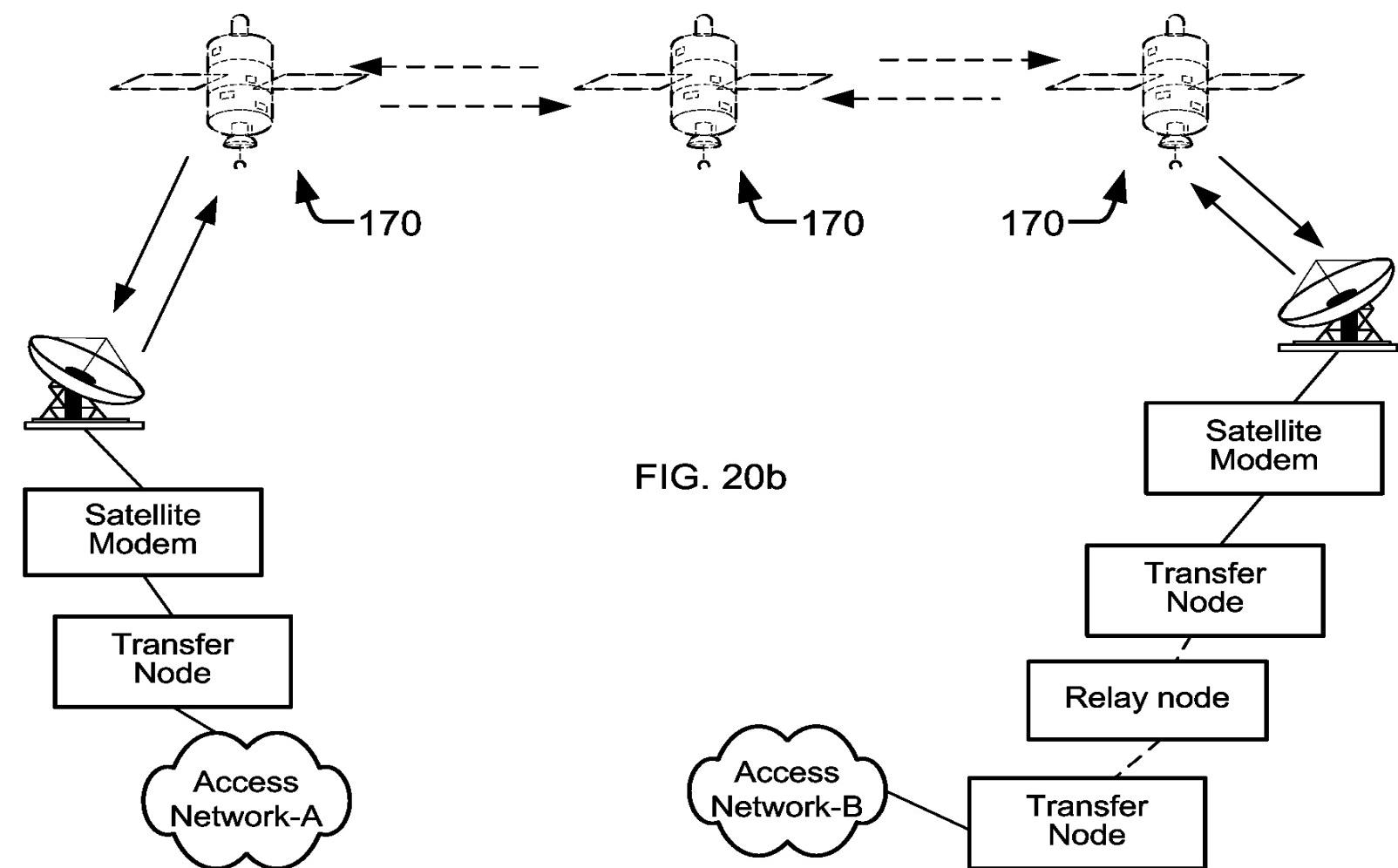
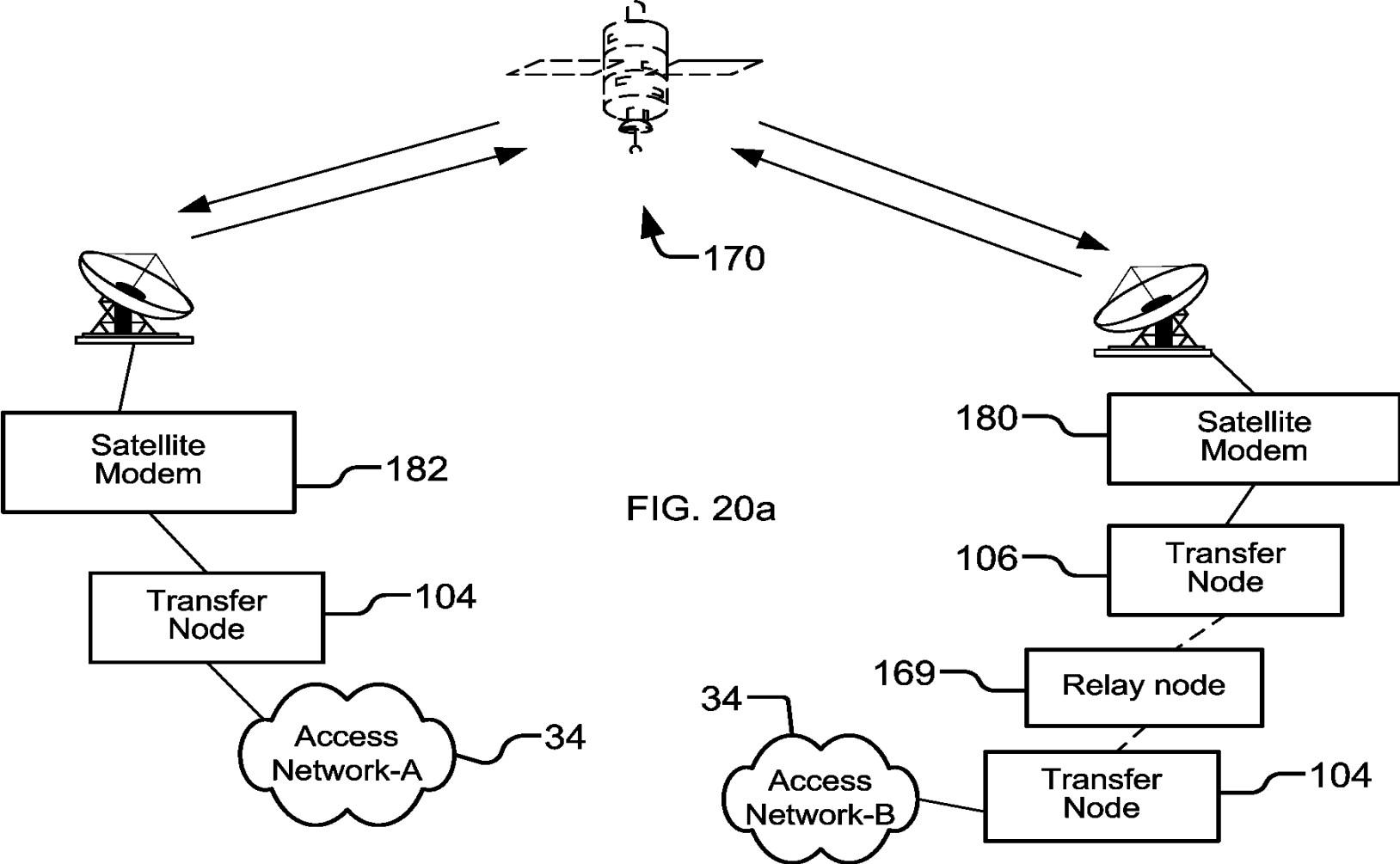


FIG. 18



Note: Nx - Network x

FIG. 19



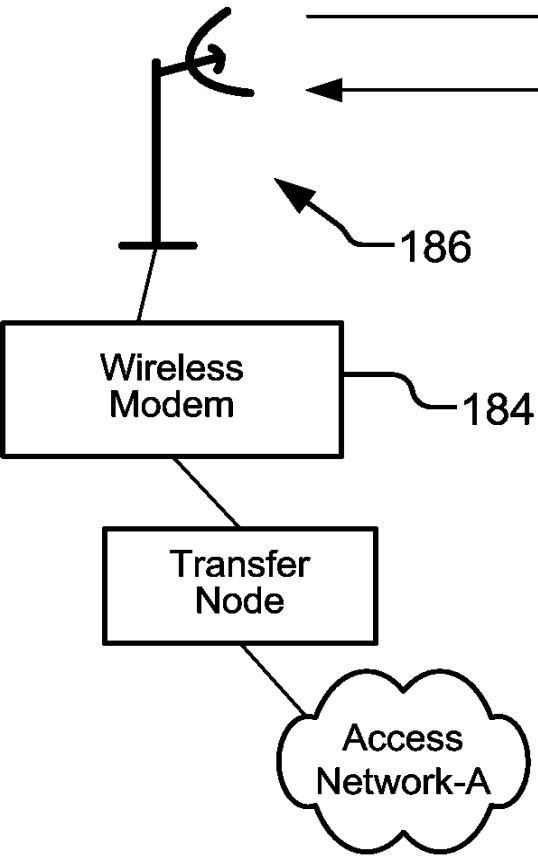


FIG. 21a

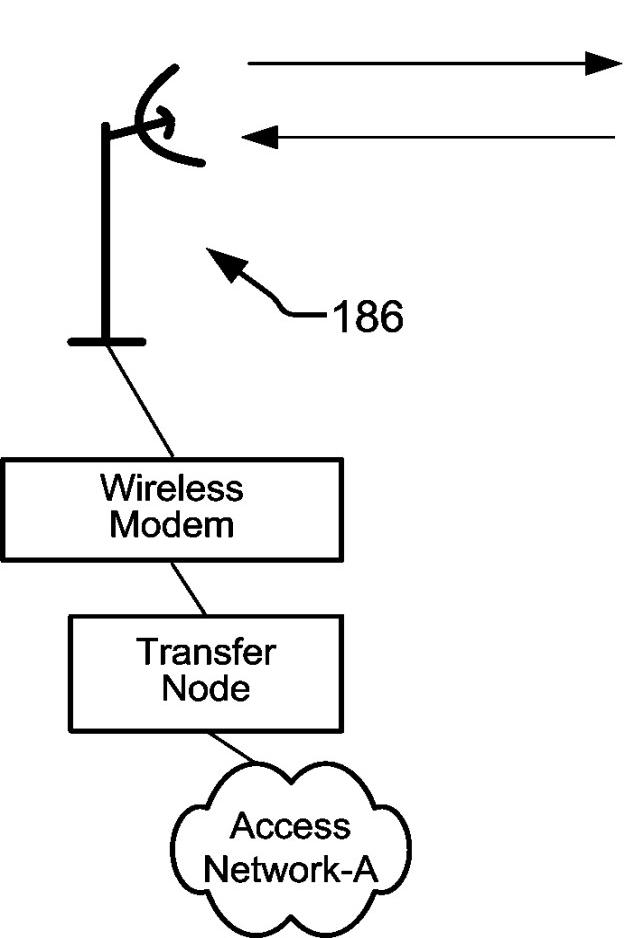
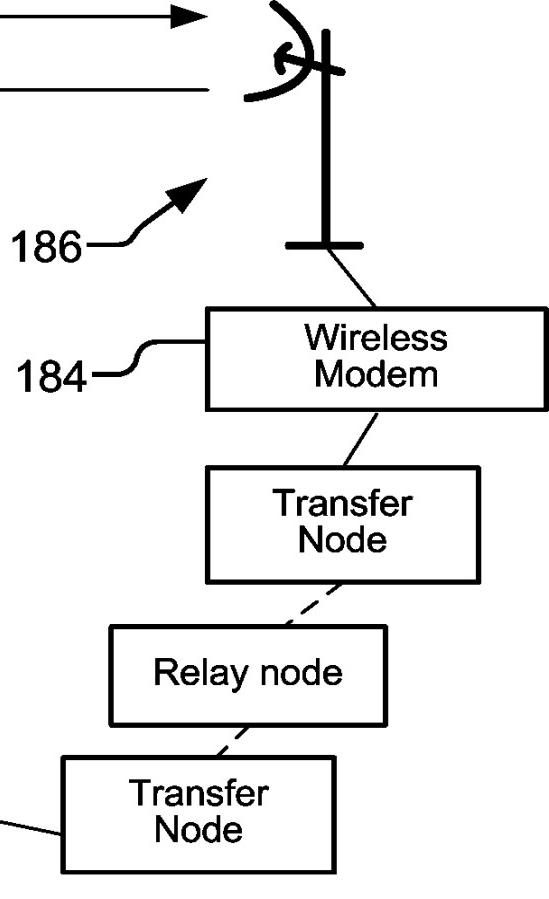
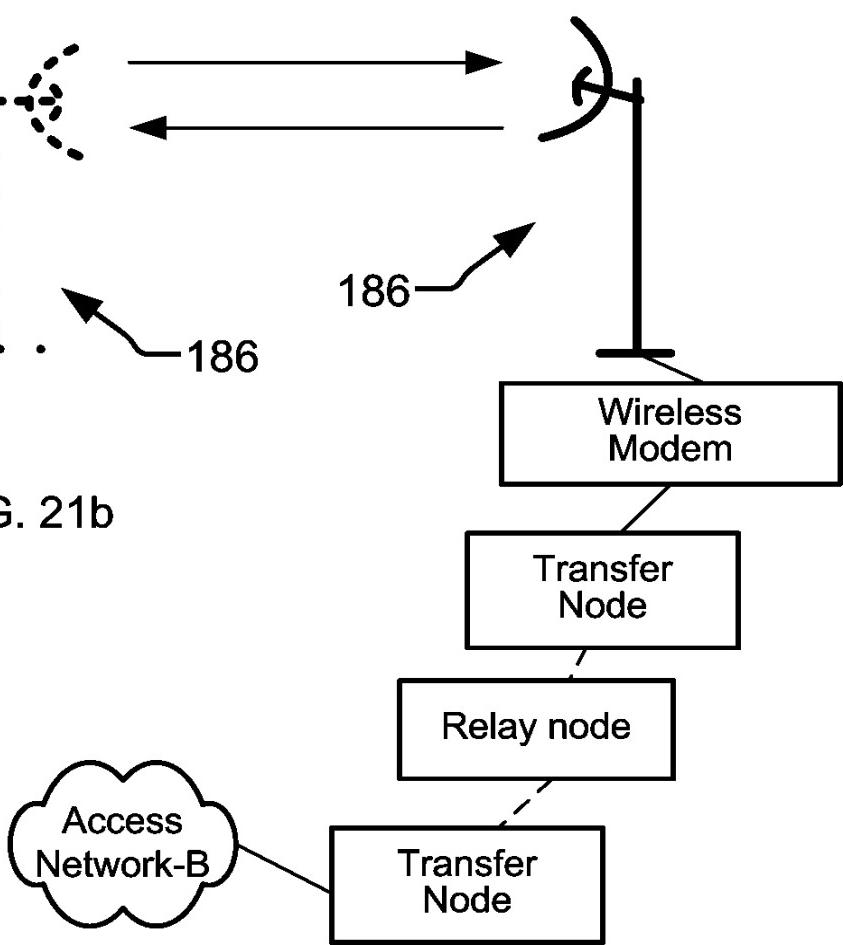


FIG. 21b



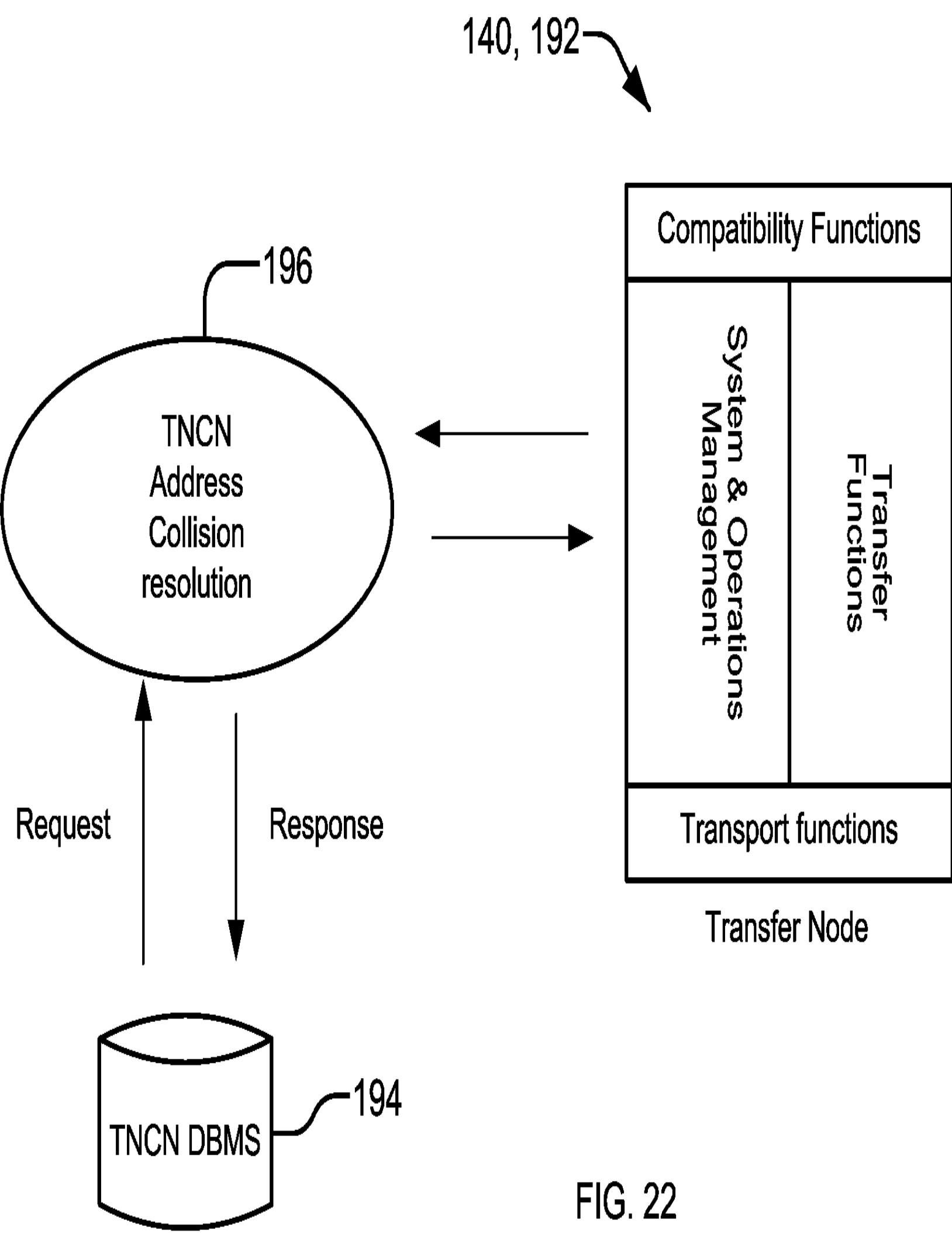
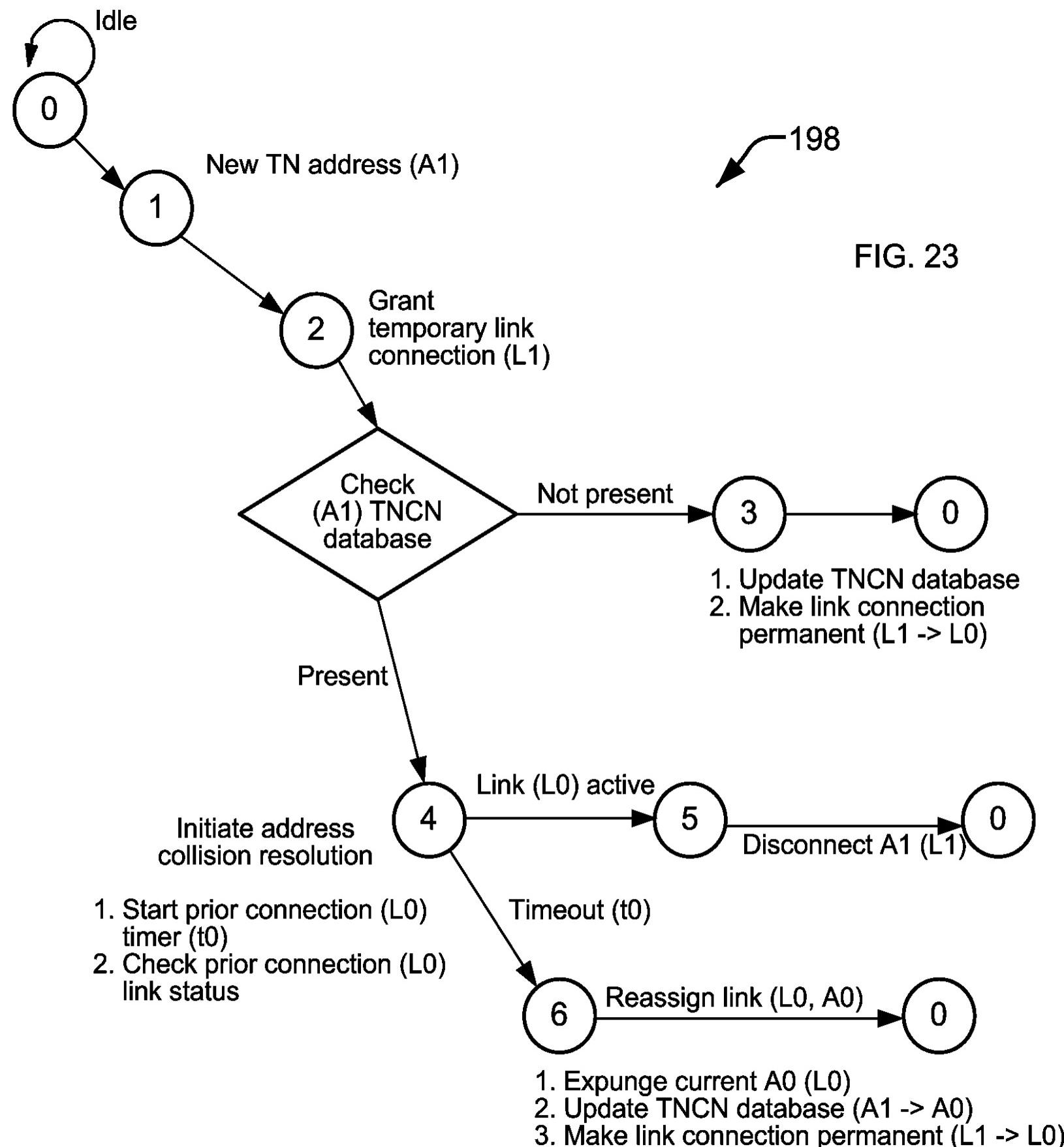


FIG. 23



Notes:

L0 -- current link connection for a TN address (A0)

L1 -- temporary connection for new TN address (A1)

A1 -- new TN address

A0 -- current link (L0) TN address